SHARP

**MODEL**

# LC-32LE345X

**LCD COLOUR TELEVISION**

OPERATION MANUAL

AQUOS LED

HDMI

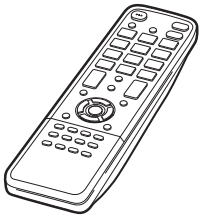
ENERGY STAR

DOLBY DIGITAL

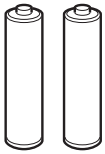
DIVX HD

# Supplied accessories

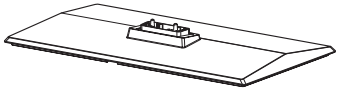
**Remote control unit**



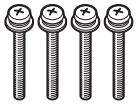
**"AAA" size battery (×2)**



**Stand unit**

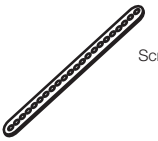


Stand base



Screws (× 4)

**Safety restrains**



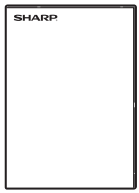
Restraining band

Screw for band

Screws for clamps

Clamps

**Operation manual**

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# Dear SHARP customer

**Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.**

# Important Safety Precautions

- Cleaning — Unplug the AC cord from the AC outlet before cleaning the product. Use a soft damp cloth to clean the product. Do not use liquid cleaners, aerosol cleaners or chemical cloth to clean it, as such materials may damage the product.
- Water and moisture — Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.
- Do not place vases or any other water-filled containers on this product.
  The water may spill onto the product causing fire or electric shock.
- Stand — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
- When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.
- Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- The LCD panel used in this product is made of glass. Therefore, it can break when the product is struck forcefully or with a sharp object. If the LCD panel is broken, be careful not to be injured by broken glass.
- Heat sources — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.
- To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.
- Do not place heavy objects on this product or stand on it. Doing so could cause injury if the product overturns. Take special care near children and pets.
- The LCD panel is a very high technology product with 1,049,088 pixels, giving you fine picture details.
  Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.
  This is within product specifications and does not constitute a fault.
- **Precautions when transporting the TV**
  When transporting the TV, never carry it by holding or otherwise putting pressure onto the display. Be sure to always carry the TV by two people holding it with two hands — one hand on each side of the TV.
- Do not display a still picture for a long time, as this could cause an afterimage to remain.
- Install the product on the place where the AC cord can be unplugged easily from the AC outlet, or from the AC INPUT terminal on the rear of the product.
- If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:
  - Using cabinets or stands recommended by the manufacturer of the television.
  - Only using furniture that can safely support the television.
  - Ensuring the television is not overhanging the edge of the supporting furniture.
  - Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
  - Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
  - Educating children about the dangers of climbing on furniture to reach the television or its controls.

# Important information

This product qualifies for ENERGY STAR when "Home" is selected for "TV location".
Setting "TV Location" to "Home" allows the TV to achieve an energy-saving status for household use.

# Trademarks

- "HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries."
- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- Products that have earned the ENERGY STAR® are designed to protect the environment through energy efficiency.

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- ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

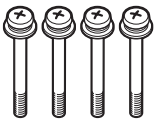
# Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC outlet.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

**1** Confirm the screws supplied with the TV.

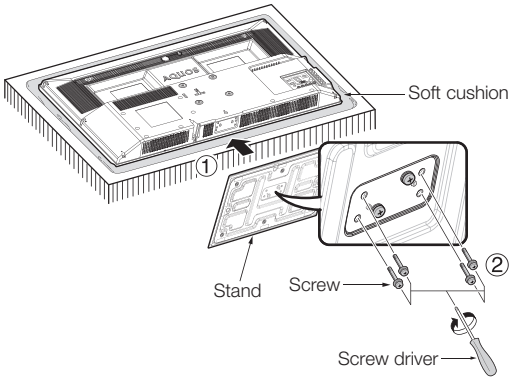
**Screws (×4)**

(used in step 3)



**2** Insert the stand base to the stand post on the bottom of the TV. (①)

**3** Insert and tighten the 4 screws into the 4 holes on the bottom of the stand base. (②)




NOTE

- To detach the stand, perform the steps in reverse order.

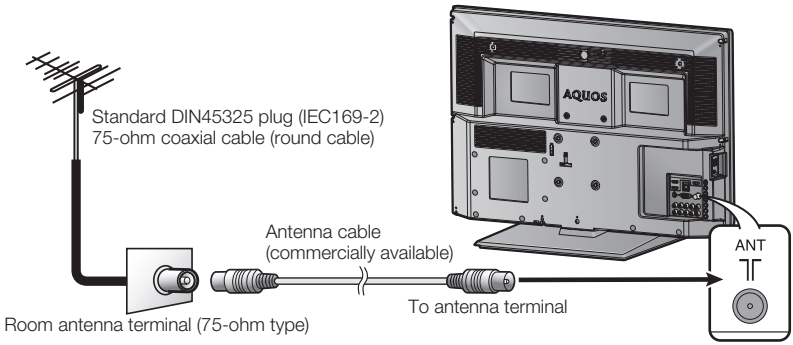
CAUTION

- Do not attach or detach the stand without holding it.
  Doing so can cause the stand to fall, resulting in serious personal injuries as well as damage to the stand.

# Antenna connection

**Connecting the antenna cable**

To enjoy a clearer picture, use an outdoor antenna.




CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

# Connecting external devices

You can connect many types of external equipment to your TV, like a VCR, game console, camcorder, DVD player, Digital TV STB (Set Top Box) and PC. To view external source images, select the input source from **INPUT** on the remote control unit or **INPUT** on the TV.

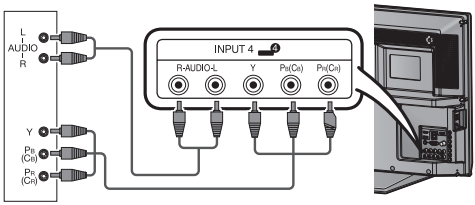
CAUTION

- To protect all equipment, always turn off the TV before connecting to a VCR, game console, camcorder, DVD player, Digital TV STB (Set Top Box), PC or other external equipment.
- Refer to the relevant operation manual (VCR, DVD player, etc.) carefully before making connections.

## Connecting a VCR, game console or camcorder

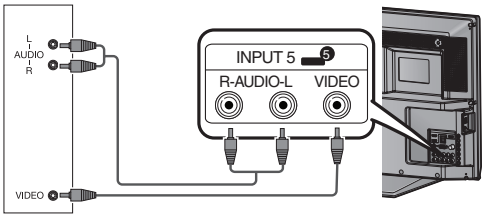
A VCR, game console, camcorder and some other audiovisual equipment can be conveniently connected using the INPUT 4 or INPUT 5 terminals.

**When using component cable (commercially available)**




**VCR/Game console/Camcorder**

**When using composite cable (commercially available)**

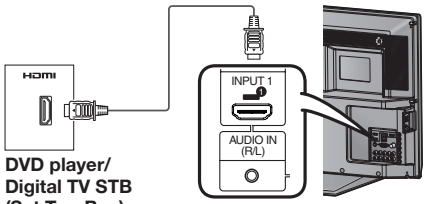



**VCR/Game console/Camcorder**

## Connecting a DVD player/Digital TV STB (Set Top Box)

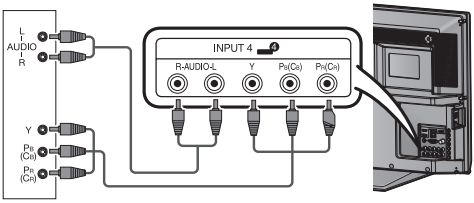
You can use the INPUT 1/INPUT 2/INPUT 3 (HDMI), INPUT 4 terminals when connecting to a DVD player/ Digital TV STB (Set Top Box) and other audiovisual equipment.

**When using HDMI-certified cable (commercially available)**




**DVD player/ Digital TV STB (Set Top Box)**

**When using component cable (commercially available)**



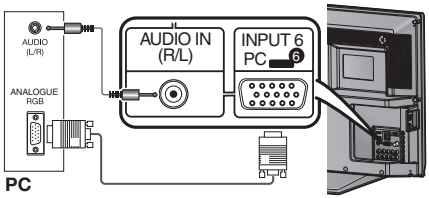

**DVD player/Digital TV STB (Set Top Box)**

# Connecting external devices (Continued)

## Connecting a PC

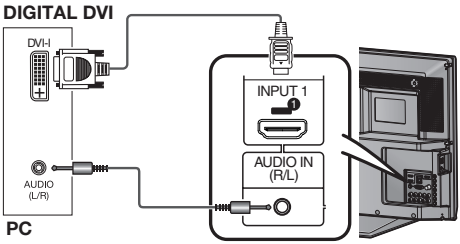
You can use the INPUT 6 PC terminals when connecting to a PC of ANALOGUE RGB terminal.

**ANALOGUE RGB**



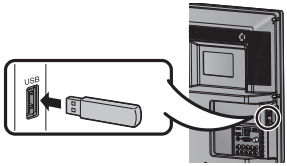

You can use the INPUT 1 (HDMI) terminal when connecting to a PC of DIGITAL DVI terminal.

**DIGITAL DVI**




## Connecting a USB device

Connect a USB device to the TV.




**CAUTION**

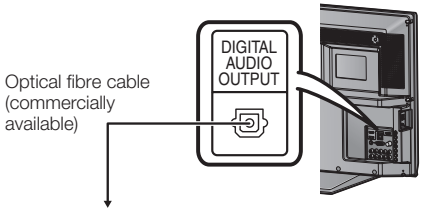
- Do not disconnect a USB device from the TV while transferring files, when a screen is in “USB” mode.

**NOTE**

- The compatibility of USB HDDs may not be guaranteed.

## Using Digital Audio Output

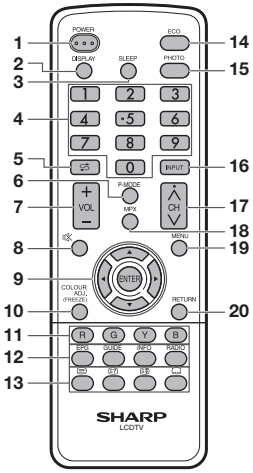
It is possible to output audio through the DIGITAL AUDIO OUTPUT terminal. PCM audio outputs from the terminal.




**NOTE**

- The DIGITAL AUDIO OUTPUT terminal usually outputs the same audio from the speakers. (The audio of the content you are viewing is output from the terminal.)
- The DIGITAL AUDIO OUTPUT terminal does not output some signals, depending on devices and software.
- The DIGITAL AUDIO OUTPUT terminal does not output any signal during HDMI digital input.

# Remote control unit




**1 POWER (STANDBY/ON)**
To switch the power on and off. (See page 8.)

**2 DISPLAY**
Display the channel or input information.

**3 SLEEP**
Set the Sleep timer. (See page 11.)

**4 0 – 9**
Set the channel.
TELETEXT mode: Set the page. (See page 20.)

**5 ⮌ (Flashback)**
Press ⮌ to return to the previous selected channel or external input mode.

**6 P-MODE**
Select a video setting. (See page 10.)

**7 VOL + /VOL −**
Set the volume.
(**VOL +**) Increase the volume.
(**VOL −**) Decrease the volume.

**8 (Mute)**
Press → Mutes sound.
Press again → Restores sound.
Mute will be cancelled after 30 minutes. However, the TV will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by pressing **VOL +**.

**9 ▲/▼/◀/▶ (Cursor)**
Select a desired item on the setting screen.
**ENTER**
Execute a command.

**10 COLOUR ADJ. (FREEZE)**
Freeze a motion picture on the screen and adjust the colour tone of the still image. (See page 19.)

**11 Colour (Red/Green/Yellow/Blue)**
The coloured buttons are correspondingly used to select the coloured items on the screen.
TELETEXT mode: Select a page. (See page 20.)

**12 EPG**
DTV mode: To display EPG (Electronic Programme Guide) screen. (See pages 18 to 19.)
**GUIDE**
DTV mode: Display the programme channel list. (See page 15.)
**INFO**
DTV mode: Display the programme information. (See page 15.)
**RADIO**
Press to access RADIO mode. (See page 16.)

**13 (TELETEXT), (Reveal hidden for TELETEXT), (Hold), (SUBTITLE for TELETEXT)**
Use for TELETEXT mode. (See page 20.)

**14 ECO**
Reduce overall power consumption based on user preferences. (See page 19.)

**15 PHOTO**
Display your pictures directly on the TV screen. (See page 21.)

**16 INPUT (INPUT SOURCE)**
Select an input source.

**17 CH∧/CH∨**
TV input mode: Select the channel.
(**CH∧**) Increase the channel number.
(**CH∨**) Decrease the channel number.
TELETEXT mode: Select the page. (See page 20.)

**18 MPX**
Select the sound multiplex mode.

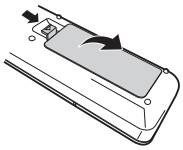
**19 MENU**
Display the menu screen.

**20 RETURN**
MENU mode: Return to the previous menu screen.

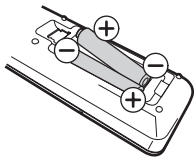
## Inserting the batteries

Before using the TV for the first time, insert two “AAA” size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new “AAA” size batteries.

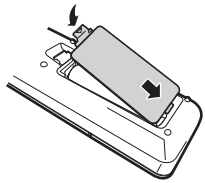
**1** Open the battery cover.



**2** Insert the two supplied “AAA” size batteries.



**3** Close the battery cover.



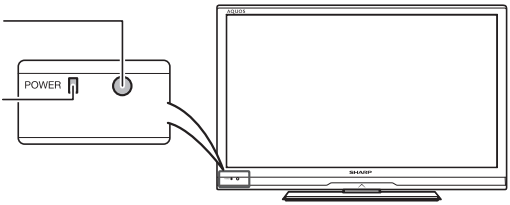
- Place batteries with their terminals corresponding to the (+) and (−) indications in the battery compartment.

**CAUTION**

- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

# Part names

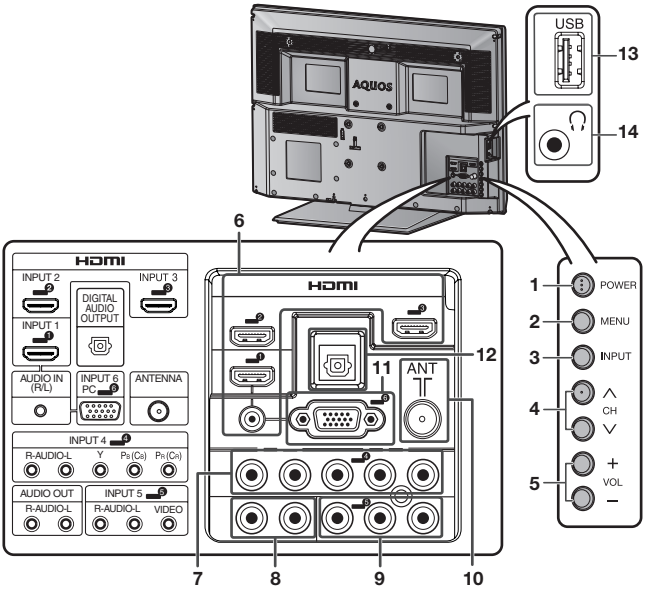
## TV (Front)




**POWER indicator**

| | |
|---|---|
| Lighted (Red) | The TV is in standby mode. |
| Lighted (Green) | The TV is on. |

## TV (Rear)




1 **POWER** (On/Off) button
2 **MENU** button
3 **INPUT** button
4 Channel up (∧)/down (∨) buttons
5 Volume up (+)/down (–) buttons
6 INPUT 1*/INPUT 2/INPUT 3 (HDMI) terminal
7 INPUT 4 terminals
8 AUDIO OUT terminals
9 INPUT 5 terminals
10 Antenna input terminal
11 INPUT 6 PC terminal*
12 DIGITAL AUDIO OUTPUT terminal
13 USB terminal**
14 Headphone jack ( ϕ 3.5 mm)
- The speakers do not output volume when headphones are plugged in.

* The INPUT 1 and INPUT 6 PC terminals can both use the same analogue audio input terminal. However, the proper item must be selected in the "HDMI Audio Select" menu. (See page 13.)

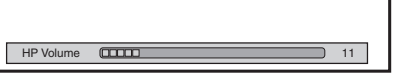
** USB terminal use for USB Media Player. (See page 20.)

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.

**Regarding the headphone jack**

- Use headphones with a stereo mini plug (ϕ 3.5 mm).
- Be sure to unplug headphones from the jack when they are not in use.
- The speakers do not output volume when headphones are plugged in.
- The "SOUND" menu cannot be operated when headphones are plugged in.

**Volume display when headphones are plugged in**



# Turning the TV on/standby

## Standby mode

- **Switching on from standby**
  From standby, press **POWER** on the remote control or press **POWER** on the TV.
- **To standby mode**
  If the TV is switched on, you can switch it to standby by pressing **POWER** on the remote control or press **POWER** on the TV.

NOTE

- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the AC outlet.
- Minor power is consumed when the unit is in standby mode.
- When AC cord is connected, the POWER indicator lights in orange.
  After few seconds, the POWER indicator will change to red or green lights, and then the TV can be operated.

# Initial auto installation

When the TV powers on for the first time after purchase, the initial auto installation wizard appears. Follow the menus and make the necessary settings one after another.

**1** Press **POWER** to turn on the TV.

**2** Press ◀/▶ to select “Home” or “Store”, and then press **ENTER**.

**Home:**

- “Standard” will be the default value for the “Picture Mode” setting.

**Store:**

- “Dynamic” will be the default value for the “Picture Mode” setting. If the “Picture Mode” is changed, the TV will automatically switch back to “Dynamic” when there is no further change to TV setting for 30 minutes.
- The confirmation screen appears only when selecting “Store”.
  Press ◀/▶ to select “Yes” or “No”.
- To change the Store mode to Home mode, please refer to page 14 to reset the unit.

Press ▲/▼ to select your country channels listed on the screen, and then press **ENTER**.

- Auto installation will be executed.
- You do not need to do anything during the auto search.
- If you want to skip ATV or DTV tuning, press **MENU** to exit. Press ◀/▶to select “Yes” or “No”.

NOTE

- You can set initial auto installation manually in the “First Time Installation” on the “SETUP” menu screen. (See page 14.)

# Menu operation

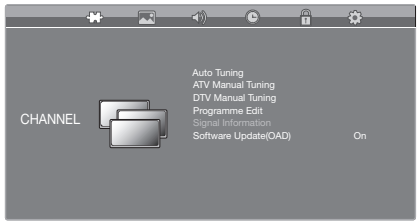
**1** Press **MENU** and the MENU screen displays.

**2** Press ◀/▶ to select the desired menu. (CHANNEL, PICTURE, SOUND, TIME, LOCK, SETUP)

**3** Press ▲/▼ to select the desired menu item. Press **ENTER** to proceed if necessary.

**4** Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

# CHANNEL menu




## ■ Auto Tuning

You can run auto tuning again, even after setting up the preset channels.

**1** Press **MENU** and the MENU screen displays.

**2** Press ◀/▶ to select “ ” (CHANNEL).

**3** Press ▲/▼ to select “Auto Tuning”, and then press **ENTER**.

**4** If you have already set the password, enter it here.

- See page 11 for setting a password.

**5** Press ◀/▶ to select “ATV+DTV”, “DTV” or “ATV”, and then press **ENTER**.
You do not need to do anything during the auto search. Press **MENU** to exit.

- If you want to skip ATV or DTV tuning, press **MENU** to exit. Press ◀/▶to select “Yes” or “No”.

# CHANNEL menu (Continued)

## ATV Manual Tuning

You can set some channel items manually.

1. Repeat steps 1 and 2 in **Auto Tuning**.
2. Press ▲/▼ to select “ATV Manual Tuning”, and then press **ENTER**.
3. If you have already set the password, enter it here.
   • See page 11 for setting a password.
4. Press ▲/▼ to select your desired item, and then press ◀/▶ to adjust the settings.

**Current CH**

Select the channel you want to edit.

• Selected channel will be automatically reflected in the background.

**Colour System**

Select the optimum colour system to receive. (PAL, SECAM, NTSC3.58, NTSC4.43, PAL60).

**Sound System**

Select the optimum sound system (Broadcasting system) to receive. (BG, DK, I, M).

**Fine-Tune**

Start searching from current channel.

• Instead of pressing ◀/▶ to adjust the frequency, you can set by directly entering the frequency number of the channel with **0 — 9**.

**Search**

Tune the frequency of the stored channel to your desired position.

• Adjust while checking the background picture as a reference.

NOTE

• The frequency shown below the On-Screen Display shows the real-time frequency of the displayed channel.

## DTV Manual Tuning

You can also automatically search by performing the procedure below.

1. Repeat steps 1 and 2 in **Auto Tuning**.
2. Press ▲/▼ to select “DTV Manual Tuning”, and then press **ENTER**.
3. If you have already set the password, enter it here.
   • See page 11 for setting a password.
4. The “DTV Manual Tuning” screen will appear, and then press **ENTER**.
   • You do not need to do anything during the auto search.

## Programme Edit

Use this menu to set up a channel individually.

1. Repeat steps 1 and 2 in **Auto Tuning**.
2. Press ▲/▼ to select “Programme Edit”, and then press **ENTER**.
3. If you have already set the password, enter it here.
   • See page 11 for setting a password.
4. Press ▲/▼ to select the channel you want to edit, and then press **R**, **G**, **Y**, **B** on the remote control if necessary or press **RETURN** to MENU screen.

**Delete**

Channels can be erased individually.
Press **R** to erase the selected channel.

**Label**

To enter the name of the channel. Maximum 5 alphanumeric can be input. Press **G** to start labelling.

• Press ▲/▼: To select a desired alphanumeric.
• Press ◀/▶: To move to the desired alphanumeric position.

Press **ENTER** to save.

**Move**

Channel positions can be moved freely.
Press **Y** to select the channel you want to move.
Press ▲/▼ to move it to the desired position, and then press **Y** again or **ENTER** to save.

**Skip**

Channels with “Skip” set to “On” are passed over when using **CH**∧/∨ even if selected while watching the image from the TV.
Press **B** to skip the selected channel.
Press **B** again to cancel the skip.

## Signal Information

If you install a DVB-T antenna for the first time or relocate it, you should adjust the alignment of the antenna to receive a good reception while checking the antenna setup screen.

1. Repeat steps 1 and 2 in **Auto Tuning**.
2. Press ▲/▼ to select “Signal Information”, and then press **ENTER**.
   • The “Signal Information” screen will appear.

## Software Update (OAD)

• This function is for automatically download the data for the version update software over digital broadcasts when the “Software Update (OAD)” is set to “On”.
• To download, follow the instructions when the download message appears during a digital broadcast.

CAUTION

**• Do not disconnect the AC cord when the software upgrade is in progress, as this may cause the upgrade to fail. If problem arises ask a qualified service personnel before the software upgrade period expires.**

# Selecting a preset Picture Mode

"Picture Mode" gives you several viewing options to choose from to best match the system environment, which can vary due to factors like room-brightness, type of programme watched or the type of image input from external equipment.

**1** Press **P-MODE**.

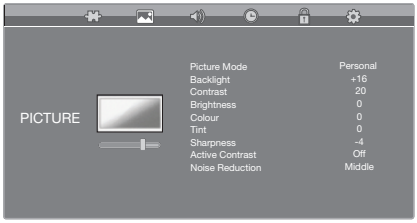
**2** Each time you press **P-MODE**, the mode changes.
- You can also switch the mode in the "Picture Mode" menu on the "PICTURE" menu screen.

| Selected item | Description |
|---|---|
| **Dynamic** | For a clear-cut image emphasising high contrast for sports viewing. |
| **Standard** | For a highly defined image in a normally bright room. |
| **Mild** | For a softer picture brightness. |
| **Personal** | Allows the user to customise settings as desired. You can set the mode for each input source. |

NOTE

- You can select a different Picture Mode item for each input mode. (For example, select Standard for TV input and Dynamic for VIDEO input.)

# PICTURE menu




## Picture adjustments

| Selected item | ◄ button | ► button |
|---|---|---|
| **Backlight** | The screen dims | The screen brightens |
| **Contrast** | For less contrast | For more contrast |
| **Brightness** | For less brightness | For more brightness |
| **Colour** | For less colour intensity | For more colour intensity |
| **Tint** | Skin tones become reddish | Skin tones become greenish |
| **Sharpness** | For less sharpness | For more sharpness |

NOTE

- "Picture adjustments" cannot be changed during "Dynamic", "Standard" or "Mild" mode.

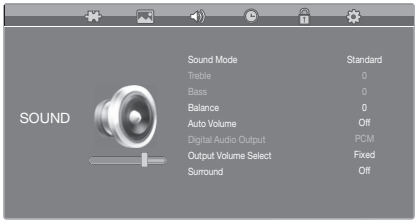
## Active Contrast

Automatically adjusts the contrast of an image according to the scene. (On, Off)

## Noise Reduction

Reduces noise on screen and produces a clearer video image. (Off, Low, Middle, High)

# SOUND menu




## Sound Mode

| Selected item | Description |
|---|---|
| **Standard** | Select the normal sound. |
| **Music** | Emphasizes music over voice. |
| **Movie** | Provides the best sound for movies. |
| **News** | For a news programme. |
| **Personal** | Allows the user to customise settings as desired. You can set the mode for each input source. |

## Sound adjustments

| Selected item | ◄ button | ► button |
|---|---|---|
| **Treble** | For weaker treble | For stronger treble |
| **Bass** | For weaker bass | For stronger bass |
| **Balance** | Decrease audio from the right speaker | Decrease audio from the left speaker |

NOTE

- Sound adjustments cannot be changed during "Standard", "Music", "Movie" or "News".

## Auto Volume

Different sound sources, fairly often do not have the same volume level, for example the changing from movie to the advertisements. Auto Volume solves this problem and equalises the volume levels.
(On, Off)

## Digital Audio Output

This function allows you to select your favourite audio output system. (PCM, Auto, Off)

## Output Volume Select

Allows you to select what controls the audio output.

| Selected item | Description |
|---|---|
| **Fixed** | • Sound via speakers is adjusted with **VOL +/−** on the remote control unit or the TV.<br>• Sound via the AUDIO OUT terminal is not adjustable and constantly outputs. |
| **Variable** | • Sound via the AUDIO OUT terminal is adjusted with **VOL +/−** on the remote control unit or the TV.<br>• Sound via speakers is muted. |

NOTE

- When "Output Volume Select" is set to "Variable", all SOUND menu item cannot be adjusted.

## SOUND menu (Continued)

### Surround
When you set to “On”, you can enjoy surround sound, the same as if you were in a movie theatre.

| Selected item | Description |
|---|---|
| **On** | Makes it possible to enjoy natural, realistic surround sound. |
| **Off** | Outputs the normal sound. |

## TIME menu

### Clock
Display date and clock time.

### Time Zone
This function enables you to select your local time zone.

NOTE

- This function lets you select the right time zone in case the time displayed in the EPG does not match the local time of your area.

### Sleep Timer
This function is conveniently used when, for instance, going to bed while watching TV.
(Off, 10min, 20min, 30min, 60min, 90min, 120min, 180min, 240min)

NOTE

- When the time has been set, countdown automatically starts.
- Select “Off” to cancel the Sleep Timer.
- You can also select “Sleep Timer” by pressing **SLEEP**.

### No Operation Off
You can set the TV to automatically power off when no TV operation is performed for more than 3 hours. (30 min, 3 hours, Disable)

- Five minutes before the power shuts down, the remaining time displays every minute.

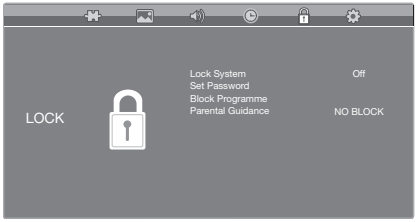
### No Signal Off
You can set the TV to automatically power off in about 15 minutes after the TV goes into a state of receiving no programme signals. (Enable, Disable)

- Five minutes before the power shuts down, the remaining time displays every minute.

NOTE

- If the input source is PC, the TV will automatically power off in about 5 minutes after the TV goes into a state of receiving no signal.
- When a TV programme finishes, and the TV receives signal input, this function may not operate.

## LOCK menu




### Lock System (ATV and DTV input mode only)
You can block the viewing of any selected channel (On, Off).
Password must be set first to allow “Lock System” to function.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “🔒” (LOCK).
3. Press ▲/▼ to select “Lock System”, and then press **ENTER**.
4. If you already set the password, enter it here.
5. Press ◀/▶ to select “On” or “Off”, and then press **ENTER**.

NOTE

- See “Set Password” for setting a password.
- If “Lock System” is set to “On” for a channel, “Please enter password” is displayed when you select the channel, and the image and sound of the channel is blocked.

### Set Password
Allows you to use a password to protect certain settings from being accidentally changed.

1. Repeat steps 1 and 2 in **Lock System**.
2. Press ▲/▼ to select “Set Password”, and then press **ENTER**.
3. Enter the old 4-digit number as a password using **0 — 9**, and then enter the new 4-digit number as a password.
4. Enter the same 4-digit number in step 3 to confirm.

# LOCK menu (Continued)

### ■ Block Programme

Allows you to prevent unauthorized user such a children from watching unsuitable programmes.

1. Repeat steps 1 and 2 in **Lock System**.
2. Press ▲/▼ to select “Block Programme”, and then press **ENTER**.
   The “Block Programme” screen will appear.
3. Press ▲/▼ to select the programme you want to lock, and then press **G**.

### ■ Parental Guidance

This function allows TV channels to be restricted. It prevents children from watching violent or sexual scenes that may be considered inappropriate.

1. Repeat steps 1 and 2 in **Lock System**.
2. Press ▲/▼ to select “Parental Guidance”, and then press **ENTER**.
3. Press ▲/▼ to select your desired rating, and then press **ENTER**.

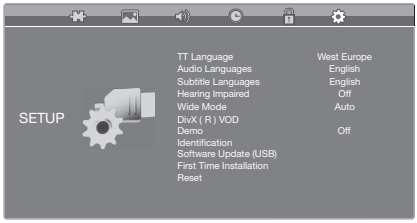
When the country setting is set to “Australia”.

| Selected item | Description |
|---|---|
| **NO BLOCK (–)** | Cancel the blocking. |
| **Restricted and above (R)** | Not for children under age 18. Strong elements of sex and/or violence. |
| **Adult Violence and above (AV)** | Not for children under age 15. Strong elements of sex and/or violence. |
| **Mature adult and above (MA)** | Mature adult only. This programme is specifically designed to be viewed by adults and therefore may be unsuitable for children under 15. |
| **Mature and above (M)** | Mature audience only. This programme is specifically designed to be viewed by adults and therefore may be unsuitable for children under 15. |
| **Parental guidance and above (PG)** | Content is such that parents may not want their children to view the programme. |
| **General and above (G)** | Content is not offensive to most viewers. |
| **BLOCK ALL** | Block all programmes. |

When the country setting is set to “New Zealand”.

| Selected item | Description |
|---|---|
| **BLOCK ALL** | Block all programmes. |
| **General and above (G)** | Content is not offensive to most viewers. |
| **Parental guidance recommended and above (PGR)** | Programme is suited to more mature viewers. |
| **Adults only and above (AO)** | Adults only. This programme contains material of an adult nature handled in such a way that is unsuitable for children. |
| **NO BLOCK** | Cancel the blocking. |

# SETUP menu




### ■ TT Language

Select from among 6 kinds of text language: West Europe, East Europe, Cyrillic, Arabic, Farsi, Maori.

NOTE

- Teletext can display only when it is sent by a network. Not used to convert between languages.

### ■ Audio Languages

Set up to two preferred multi audio languages to display if the audio languages are available.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “⚙” (SETUP).
3. Press ▲/▼ to select “Audio Languages”, and then press **ENTER**.
4. Press ◀/▶ to select “Primary” or “Secondary”.
5. Press ▲/▼/◀/▶ to select the desired language, and then press **ENTER**.

NOTE

- If audio for the selected language is not included in a received broadcast, audio will not be output for that language.

# SETUP menu (Continued)

## ■ Subtitle Languages

You can display subtitles for the hearing impaired in the Teletext broadcast if the subtitle languages are available.

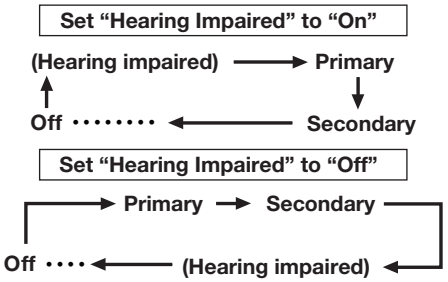
1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select "⚙" (SETUP).
3. Press ▲/▼ to select "Subtitle Languages", and then press **ENTER**.
4. Press ◀/▶ to select "Primary" or "Secondary".
5. Press ▲/▼/◀/▶ to select the desired language, and then press **ENTER**.

NOTE

- If subtitles for the selected language are not included in a received broadcast, subtitles will not be shown for that language.

## ■ Hearing Impaired (DVB Subtitle)

Press 💬 to display the subtitle, and then press ▲/▼ to select the subtitle languages.




NOTE

- This function is valid only if broadcaster is transmitting multilingual subtitles.

## ■ Wide Mode

You can manually select the size of a picture appeared on your screen.
Selectable picture size varies with the type of signal received.
Press ▲/▼ while the wide mode menu displays on the screen.

- As you toggle down the options, each mode is immediately reflected on the TV.

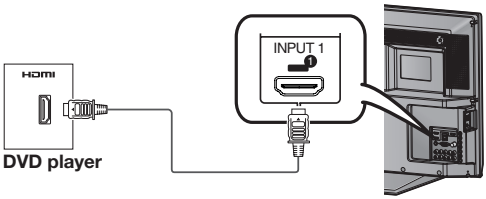
| Selected item | Description |
|---|---|
| **Auto** | Keeps the original aspect ratio and enlarges the picture as much as possible. |
| **4:3** | For 4:3 "standard" pictures. A side bar appears on each side. |
| **16:9** | For 16:9 squeeze pictures. |
| **Zoom1** | Normal image size will be slightly enlarged. |
| **Zoom2** | Further enlarge the Zoom1 image size. |
| **Just Scan** | Display with Just Scan image. Noise may appear on the edge of the screen with some programmes. |

## ■ HDMI Audio Select (HDMI input mode only)

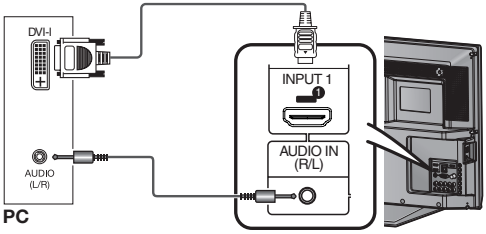
You must select Analogue if uses the AUDIO IN (R/L) jack for analogue audio input when using INPUT 1 (HDMI) terminal.

| Option | Description |
|---|---|
| **Digital** | Select "Digital" if the Devices (DVD, Blu ray Player, Set Top Box or etc) is connected using HDMI cable to INPUT 1 (HDMI) terminal. |
| **Analogue** | Select "Analogue" if the Devices (PC or etc) is connected using DVI/HDMI convert cable to INPUT 1 (HDMI) terminal and AUDIO IN (R/L) jack is used to input Analogue Audio Signals. |

**Digital**




**Analogue**



## SETUP menu (Continued)

### DivX ( R ) VOD
Please see USB Media Player on page 23.

### Demo
When “Demo” is set to “On”, after all the settings are completed, the Demo screen is displayed if there is no operation for several minutes. (On, Off)

### Identification
You can check the current version of the software on the screen.

### Software Update (USB)
This function allows you to update the TV to the latest software using a USB device. You must update the software through the USB terminal.

### First Time Installation
You can set initial auto installation manually.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “⚙” (SETUP).
3. Press ▲/▼ to select “First Time Installation”, and then press **ENTER**.
4. If you have already set the password, enter it here.
   • See page 11 for setting a password.
5. The language screen appears, and then press **ENTER**.
6. Press ◀/▶ to select “Home” or “Store”, and then press **ENTER**.
   • The confirmation screen appears only when selecting “Store”.
   Press ◀/▶ to select “Yes” or “No”.
7. Press ▲/▼ to select your country channels listed on the screen, and then press **ENTER**.
   • Auto installation will be executed.
   • You do not need to do anything during the auto search.

### Reset
If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

NOTE

• If you execute “Reset”, all the settings such as “PICTURE”, “SOUND” and “SETUP” will be reset to the factory preset values.

## SCREEN menu (PC input mode only)

### Adjusting the PC image automatically

**Auto Adjust**
This function enables the screen to be automatically adjusted to its best possible condition when the analogue terminals of the TV and PC are connected with a commercially available RGB cable, etc.

NOTE

• Auto Adjust is likely to succeed when an input PC image has wide vertical stripes (e.g. pattern with high contrast stripes, or cross-hatched).
It may fail when an input PC image is solid (low contrast).

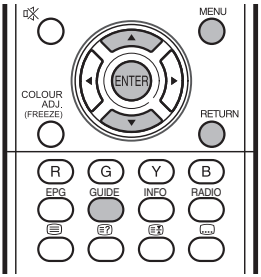
### Adjusting the PC image manually

Ordinarily you can easily adjust the picture as necessary to change image position using Auto Adjust. In some cases, however, manual adjustment is needed to optimise the image.

| Selected item | Description |
|---|---|
| **H-Offset** | Centres the image by moving it to the left or right. |
| **V-Offset** | Centres the image by moving it up or down. |
| **Size** | Adjusts the image size to shrink or expand. |
| **Phase** | Adjusts when characters have low contrast or when the image flickers. |
| **Position Reset** | Reset all adjustment item to factory preset values. |

## Programme Guide

You can check the current channel list of DTV/ATV respectively.

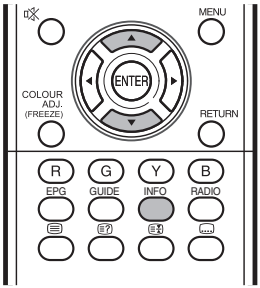



**1** Press **GUIDE** to display the programme channel list.

**2** Press ▲/▼ to select your desired programme, and then press **ENTER**.

**3** Press **RETURN** or **GUIDE** to exit.

## Info




While watching DTV you can check the extended programme information on the screen using **INFO** on the remote control.

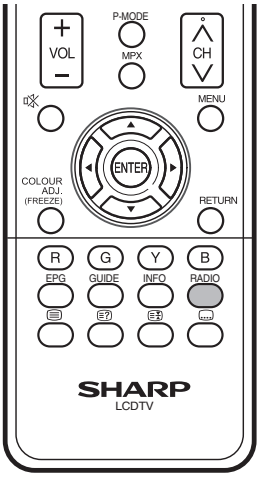
**General INFO screen**

- Station name
- Title
- Date
- Time for the current programme
- Video system
- Audio system
- Parental guidance

NOTE

- If there is more information, pressing ▲/▼ allows you to go to the next page or return to the previous page.
- You can cancel this info by pressing **INFO**.

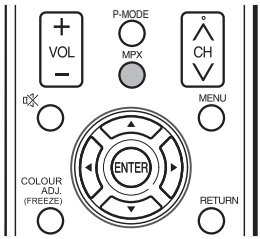
## RADIO mode




**RADIO:** Press to switch to radio mode. After switching from DTV, ATV or external input mode to radio mode, the TV jumps to the most recently tuned radio channel.

## Switching the analogue audio format

You can switch between multiple audio modes when watching a multiple audio or stereo broadcast programme.




**In the NICAM TV broadcasts**

**When receiving a stereo signal**

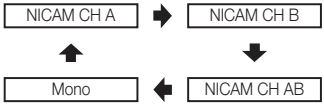
Each time you press **MPX**, the mode switches between NICAM STEREO and Mono.

**Stereo mode**

**When receiving a bilingual signal**

Each time you press **MPX**, the mode switches among NICAM CH A, NICAM CH B, NICAM CH AB and Mono.

**Bilingual mode**




**When receiving a monaural signal**

Each time you press **MPX**, the mode switches between NICAM Mono and Mono.

**Monaural mode**

# Switching the analogue audio format (Continued)

**In the TV mode of A2 TV broadcasts**

**When receiving a stereo signal**

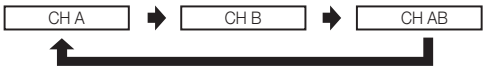
Each time you press **MPX**, the mode switches between Stereo and Mono.

**Stereo mode**

**When receiving a bilingual signal**

Each time you press **MPX**, the mode switches among CH A, CH B and CH AB.

**Bilingual mode**




**When receiving a monaural signal**

When you press **MPX**, “Mono” displays.

**Monaural mode**

# EPG

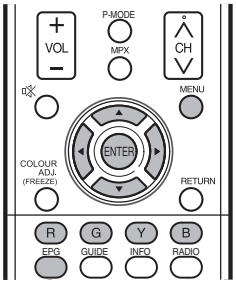
**What is an EPG?**

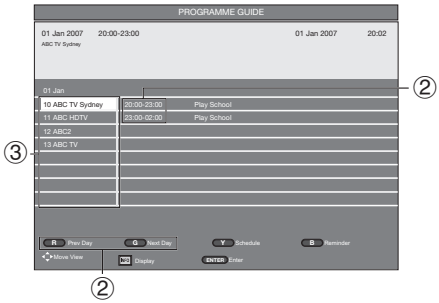
An “EPG (Electronic Programme Guide)” is a programme schedule, which is displayed on the TV screen. The EPG is broadcasted together with DTV. The TV screen shows the EPG when the viewer presses **EPG** on the remote control, provided that the TV is receiving the digital broadcasting signal. The EPG enables you to search for a programme, do timer view the programme schedule in detail.

## Basic Operation

### ■ Display the EPG screen

① Press **EPG**.




② **Press ▲/▼/R/G to select the time span you want to search.**

- Continue to press ▼ to display programmes in the next time span.

③ **Press ▲/▼ to select the desired programme.**

### ■ Close the EPG screen

④ Press **EPG** again or **MENU** to exit.

NOTE

- For “New Zealand delivery model”, the EPG screen and operation differ due to the use of MHEG EPG. The EPG screen and operation vary depending on the broadcasts.

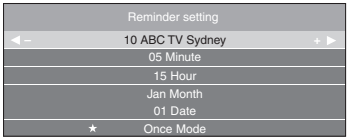
## Reminder timer setting

You can schedule a reminder for future programmes. Channel will automatically change on time as scheduled.

**1** Press **EPG**.

**2** Press **▲/▼/R/G** to select the programme you want to watch.

**3** Press **B** to set reminder time.



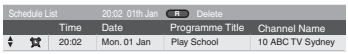

**4** Press **ENTER** to save reminder timer.

- “Timer Save Success” will display.

NOTE

- “Timer Overlap” will display if same time is set twice.
- “Timer Past” will display if past time is set.

**5** Press **ENTER** to display the reminder schedule list.




**6** Press **MENU** or **EPG** to exit.

# EPG (Continued)

## Viewing the reminder schedule list

1. Press **EPG**.
2. Press **Y** to display the reminder schedule list.
3. Press ▲/▼ to display next or previous screen.
4. Press **MENU** or **EPG** to exit.

## Cancelling the reminder timer setting

1. Press **EPG**.
2. Press **Y** to display the reminder schedule list.
3. Press ▲/▼ to select a programme you want to cancel.
4. Press **R** to delete a programme from reminder list.
5. Press **MENU** or **EPG** to exit.

# Colour adjustment and still image

Allows you to adjust the colour tone of a still image.

1. Press **COLOUR ADJ. (FREEZE)**, the moving image will be captured and colour adjustment screen displays.
2. Press ▲/▼/◀/▶ to adjust the colour to your desired setting.
   - When "Picture Mode" is "Dynamic", "Standard" or "Mild", it will automatically change "Picture Mode" to "Personal".

| Button | Description |
|---|---|
| ▲ | White with greenish tone. |
| ▼ | White with reddish tone. |
| ◀ | White with bluish tone. |
| ▶ | White with yellowish tone. |
| **R** | Reveal/hide the setting screen. |
| **G** | Set adjustment to last user setting. |
| **B** | Close the setting screen and unfreeze image. |
| **ENTER** | Save/exit setting. |

NOTE

- The colour adjustment screen and still image will automatically goes out after 30 minutes.

# ECO mode

This function enables you to reduce the backlight brightness in order to decrease the power consumption and increase the backlight life span as shown in the following table.

| Selected item | Description |
|---|---|
| **ECO 1** | Reduces the backlight brightness. |
| **ECO 2** | Reduces the backlight brightness more than "ECO 1". |
| **ECO OFF** | Normal setting of backlight brightness. |

ECO status will be displayed on the channel information window.

NOTE

- ECO mode will not function when "Picture Mode" is in "Dynamic" mode.

# Teletext function

**What is Teletext?**

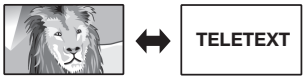
Teletext broadcasts pages of information and entertainment to specially equipped television sets. News, weather reports, sports information, stock exchange prices and programme previews are among the many services available.

**Turning on and off Teletext**

**1** Select a TV channel or external input source providing the Teletext programme.

**2** Press ☰ to display the Teletext.

**3** Each time you press ☰, the screen switches as shown below.




NOTE

- If you select a programme with no Teletext signal, "No teletext available." is displayed.
- The same message displays during other modes if no Teletext signal is available.
- New Zealand delivery model can receive MHEG data broadcasting.

**Button functions**

| Buttons | Description |
|---|---|
| **CH (∧/∨)** | Increase or decrease the page number. |
| **Colour (Red/Green/ Yellow/Blue)** | You can select a group or block of pages displayed in the coloured brackets at the bottom of the screen by pressing the corresponding **Colour (Red/Green/Yellow/Blue)** on the remote control unit. |
| **0 — 9** | Directly select any page from 100 to 899 by using **0 — 9**. |
| **(Reveal hidden for TELETEXT)** | To reveal hidden information such as an answer to a quiz. |
| **(Hold)** | To stop updating Teletext pages automatically or release the hold mode. |
| **(Subtitle for TELETEXT)** | Display the subtitle during Teletext page.<br>• Subtitle will not be displayed when the service does not contain subtitle information. |

NOTE

- Teletext can display only when it is sent by network. Not used to convert between languages.

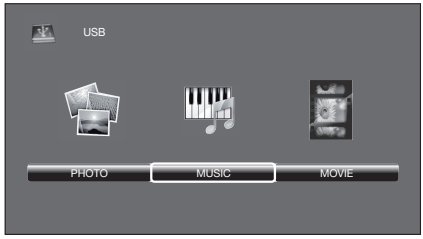
# PC compatibility chart

| Resolution | | Horizontal Frequency | Vertical Frequency | VESA Standard |
|---|---|---|---|---|
| VGA | 640 × 480 | 31.5 kHz | 60 Hz | ✓ |
| SVGA | 800 × 600 | 37.9 kHz | 60 Hz | ✓ |
| XGA | 1024 × 768 | 48.4 kHz | 60 Hz | ✓ |
| WXGA | 1360 × 768 | 47.7 kHz | 60 Hz | ✓ |

VGA, SVGA, XGA and WXGA are registered trademarks of International Business Machines Corporation.

# USB Media Player

## ■ Selecting modes




**1** Press **INPUT** to select the "MEDIA" mode.

**2** Press ◀/▶ to select "PHOTO", "MUSIC" or "MOVIE", and then press **ENTER**.

**3** Press ◀/▶ to select your USB directory, and then press **ENTER**.

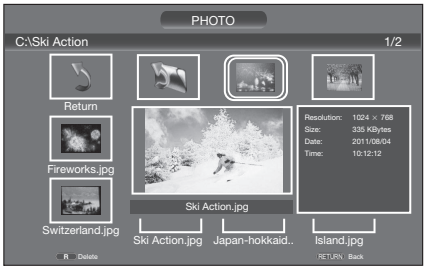
**4** Press ▲/▼/◀/▶ to select the desired folder, and then press **ENTER**.

NOTE

- "Wide Mode" is fixed during "PHOTO", "MUSIC" and "MOVIE".
- Depending on the USB device, the TV may not be able to recognise the contained data.
- Use only alphanumeric characters for naming files.
- A file name with more than 10 characters may not be displayed all (depending on the character set).
- Files in USB 1.1 devices may not be played properly.
- Operation using USB hubs is not guaranteed.
- The compatibility of USB HDDs may not be guaranteed.
- Multi drive USB is not supported.

# USB Media Player (Continued)

## PHOTO slideshow




When you press **PHOTO**, the TV screen will automatically play the photo slideshow.

- During photo slideshow, press ▲/▼ to select the next/previous photo or press ◀/▶ to rotate the photo.
- If there is no USB drive, the TV will switch to **Selecting modes** screen.
- Photo slideshow will autoplay only for the photos located on the top layer of USB drive. To enable autoplay for photos located in a subfolder, you need to manually select the subfolder, and then press **PHOTO**.

You can select the duration for each photo to display, and also the duration for the slideshow to play.

**Duration for photos to display**

→ 3 Sec → 5 Sec → 10 Sec → 1 Min ┐

**Duration for slideshow to play**

→ 1 Hr → 3 Hrs → Continuous ┐

- The TV will automatically power off after the selected playtime ends.

NOTE

- Background music will autoplay during a slideshow only if the music file is located in the same folder with the photo files.
- If you want to stop the photo slideshow, press **RETURN** to exit.

## List of files compatible with USB mode

| | |
|---|---|
| **USB device** | USB Memory, USB card reader (Mass Storage class) |
| **File system** | FAT/FAT32/NTFS* |
| **Photo file format** | JPEG (.jpg) (DCF2.0 compliant), BMP, PNG |
| **Music file format** | MP3 (.mp3)<br>Bitrate: 32 k, 40 k, 48 k, 56 k, 64 k, 80 k, 96 k, 112 k, 128 k, 160 k, 192 k, 224 k, 256 k, 320 kbps<br>Sampling frequency: 32 k, 44.1 k, 48 kHz |

* NTFS compressed file is not supported.

| Video file format | | | |
|---|---|---|---|
| **File extension** | **Container** | **Video** | **Audio** |
| *.avi | AVI | DivX 3.11/4/4.12/5.x/6<br>XviD<br>H.264<br>MPEG4<br>Motion Jpeg | MP3<br>MP2<br>Dolby Digital<br>LPCM<br>ADPCM<br>AAC |
| *.mkv | MKV | H.264<br>MPEG4 | MP2<br>Dolby Digital<br>AAC |
| *.mp4<br>*.mov | MP4 | H.264<br>MPEG4 | MP3<br>LPCM<br>ADPCM<br>AAC |
| *.vob | VOB | MPEG2 | Dolby Digital<br>MP2 |
| *.mpg/*.mpeg | PS | MPEG2<br>MPEG1 | Dolby Digital<br>MPEG<br>LPCM |
| *.ts/*.trp/*.tp | TS | H.264<br>MPEG2 | Dolby Digital<br>MP2 |
| *.asf | ASF | VC-1 | Dolby Digital<br>LPCM<br>ADPCM |
| *.divx | DivX | DivX 3.11/4/4.12/5.x/6 | MP3 |

NOTE

- Files may not be playable depending on the bitrate or resolution.

# USB Media Player (Continued)

**Control panel for photo/music/movie mode operations**

• Press **B** to display the control panel below.

| Button/menu | Description | Photo | Music | Movie |
|---|---|---|---|---|
| **ENTER** | When selecting a folder icon: Enter this directory.<br>When selecting a thumbnail:<br>Play the selected file. | ✓ | ✓ | ✓ |
| ▷/II | Play/Pause. | ✓ | ✓ | ✓ |
| ◁◁ | Fast-backward. Each time you press fast-backward, the speed will change (2x, 4x, 8x, 16x). | – | ✓ | ✓ |
| ▷▷ | Fast-forward. Each time you press fast-forward, the speed will change (2x, 4x, 8x, 16x). | – | ✓ | ✓ |
| ⏮ | Play the previous file. | ✓ | ✓ | ✓ |
| ⏭ | Play the next file. | ✓ | ✓ | ✓ |
| **G**/□ | Stop playback and return to the list of files. | ✓ | ✓ | ✓ |
| ↻ | Repeat all the files. Each time you press **ENTER**, the mode will switch between Repeat ↔ No repeat. | ✓ | ✓ | ✓ |
| ♫ | Play/cancel the background music. | ✓ | – | – |
| 🔇 | Mute. Press **ENTER** to toggle between mute and unmute. | – | ✓ | – |
| A-B | Two loop. Press **ENTER** to set the current playback time starting point. Press **ENTER** to set the loop end of the current playing time and start loop playback. Press **ENTER** button to cancel the loop. | – | – | ✓ |
| ☰ | Show playlists. Select a file from the playlists to start playback. | ✓ | ✓ | ✓ |
| ⓘ | Display information about the file. | ✓ | ✓ | ✓ |
| ▷\| | Slow-forward.<br>Each time you press slow-forward, the speed will change. | – | – | ✓ |
| \|▷ | Step-forward.<br>Each time you press **ENTER**, the picture will change to the next still picture. | – | – | ✓ |
| 🕒 | Set time for music/movie playback. | – | ✓ | ✓ |
| 90 | Rotate clockwise 90°. | ✓ | – | – |
| 90 | Rotate counterclockwise 90°. | ✓ | – | – |
| 🔍+ | Zoom in an image. Select to display larger image size. | ✓ | – | – |
| 🔍- | Zoom out an image. Select to display smaller image size. | ✓ | – | – |
| ✥ | Pan image up, down, left or right after you zoom in. Press **ENTER** to exit. | ✓ | – | – |
| 🖼🕒 | Select playback length of a slideshow. | ✓ | – | – |
| 🖼 | Select photo display interval. | ✓ | – | – |

NOTE

• Press **Y** to change subtitle for Movie mode.
• Files in folder which are not related to a selected mode cannot be accessed.
• “Unsupported file” alert will pops up for a selected file of invalid format.

# USB Media Player (Continued)

## DivX® setup

This is the function to confirm your registration code.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select "⚙" (SETUP).

3 Press ▲/▼ to select "DivX ( R ) VOD", and then press **ENTER**.
• Copy the 10 digit code down.

**DivX ( R ) VOD Register**

You need to visit the DivX main page to register your TV. Please follow the online instruction to create DivX account and DivX registration video download.
Your registration is complete when you play the DivX registration video on TV.

**DivX ( R ) VOD Deregister**

You can find the deregistration code (8~10 digit). Please use this code to deactivate on DivX website.

NOTE

• Visit vod.divx.com for more information about DivX® VOD.

# Appendix

## Troubleshooting

The problems described below are not always caused by malfunctions. Check the TV again before having the TV serviced.

| Problem | Possible Solution |
|---|---|
| • No power. | • Check if you pressed **POWER** on the remote control unit. (See page 8.)<br>If the indicator on the TV lights up red, press **POWER**.<br>• Is the AC cord disconnected?<br>• Has the power been turned on? (See page 8.) |
| • Unit cannot be operated. | • External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the unit after first turning the power off the TV or unplugging the AC cord and re-plugging it in after 1 or 2 minutes. |
| • Remote control unit does not operate. | • Are batteries inserted with polarity (+, −) aligned? (See page 6.)<br>• Are batteries worn out? (Replace with new battery.)<br>• Are you using it under strong or fluorescent lighting?<br>• Is a fluorescent light shining on the remote control sensor? |
| • Picture is cut off. | • Are screen mode adjustments such as picture size made correctly? (See pages 13 and 14.) |
| • Strange colour, light colour, or dark, or colour misalignment. | • Adjust the picture tone. (See page 10.)<br>• Is the room too bright? The picture may look dark in a room that is too bright.<br>• Check the colour system setting. (See page 9.) |
| • Power is suddenly turned off. | • The unit's internal temperature has increased.<br>Remove any objects blocking the vent or clean.<br>• Is the sleep timer set? (See pages 6 and 11.) |
| • No picture. | • Is the connection to external equipment correct? (See pages 4 and 5.)<br>• Is the correct input selected?<br>• Is the picture adjustment correct? (See page 10.)<br>• Is the antenna connected properly? (See page 3.) |
| • No sound. | • Is the volume too low? (See page 6.)<br>• Make sure that headphones are not connected. |
| • The TV sometimes makes a cracking sound. | • This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance. |

**Cautions regarding use in high and low temperature environments**

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
  Storage temperature: −20°C to +60°C.

# Specifications

| Item \ Model | | | LC-32LE345X |
|---|---|---|---|
| LCD panel | | | 80 cm |
| Resolution | | | 1,049,088 pixels (1366 × 768) |
| Video Colour System | | | PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60 |
| TV Function | TV- Standard | Analogue | PAL: B/G, D/K, I SECAM: B/G, D/K, K/K1 |
| | | Digital | DVB-T |
| | Receiving Channel | VHF/UHF | 44.25—863.25 MHz |
| | | CATV | S1—S41ch (including Hyperband) |
| | TV-Tuning System | | Auto Preset 99 ch |
| | STEREO/BILINGUAL | | NICAM: B/G, I, D/K A2 stereo: B/G |
| Viewing angles | | | H : 176° V : 176° |
| Audio amplifier/Speakers | | | 5 W × 2 / 3.14 × 14.4 cm 2pcs |
| Terminals | Antenna input | | UHF/VHF 75 Ω DIN type |
| | INPUT 1 | | HDMI (HDMI input), AUDIO in (ϕ 3.5 mm jack) |
| | INPUT 2/INPUT 3 | | HDMI (HDMI input) / HDMI (HDMI input) |
| | INPUT 4 | | AUDIO in, COMPONENT in |
| | INPUT 5 | | VIDEO in, AUDIO in |
| | INPUT 6 PC | | 15 pin mini D-sub, AUDIO in (common use with INPUT 1) (ϕ 3.5 mm jack) |
| | AUDIO OUT | | AUDIO out |
| | USB | | USB |
| | DIGITAL AUDIO OUTPUT | | Optical Digital Audio Output |
| | Headphone | | ϕ 3.5 mm stereo |
| OSD language | | | English |
| Power Requirement | | | AC 110 — 240 V, 50/60 Hz |
| Power Consumption | | | 58 W (0.8 W Standby) |
| Dimensions | without stand | | 750 (W) × 478 (H) × 55 (D) mm |
| | with stand | | 750 (W) × 508 (H) × 222 (D) mm |
| Weight | | | 7.6 kg (without stand) / 8.5 kg (with stand) |
| Operating Temperature | | | 0°C — 40°C |

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

## Optional accessory

- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

| Part name | Model number |
|---|---|
| Wall mount bracket | AN-130AG1 |

**CAUTION**

- This TV should be mounted on the wall only with the listed (SHARP) wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.
- Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.
- Carefully read the instructions that come with the bracket before beginning work.

# Protection against overturning

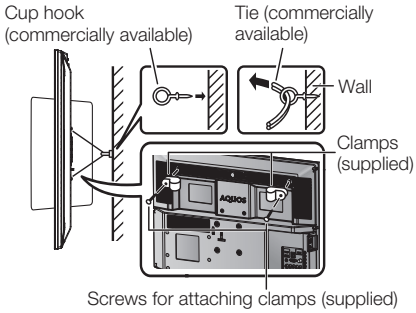
There is a danger of the product overturning in the case of a disaster or sudden collision. Carry out the following tip-resistant measurement for your safety.

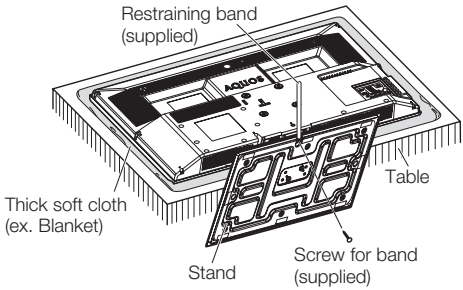
**Anchoring the TV to the wall or a pillar**

**1** **Fix the product with the 2 clamps (supplied), using the screws (supplied).**

**2** **Fix the TV to the wall using extrastrong ties (commercially available).**

**View from the top**




**Fixing the TV to the table**

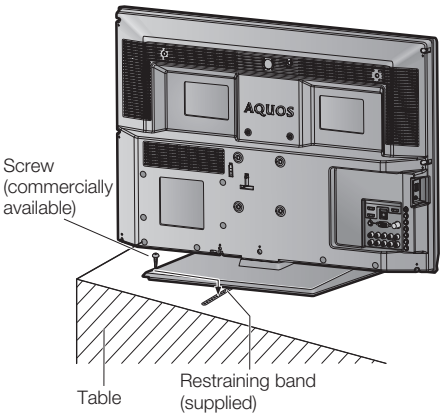
**1** **Lay the TV down on cushioning (such as a blanket) over a table.**

**2** **Attach the band (supplied) to the bottom of the stand using the screw (supplied).**

**3** **Transfer the product to the table where you intend to fix the TV.**

**4** **Fix the TV to the table by the band with a screw (commercially available).**

- Use a screw (commercially available) whose shape is compatible with the band.

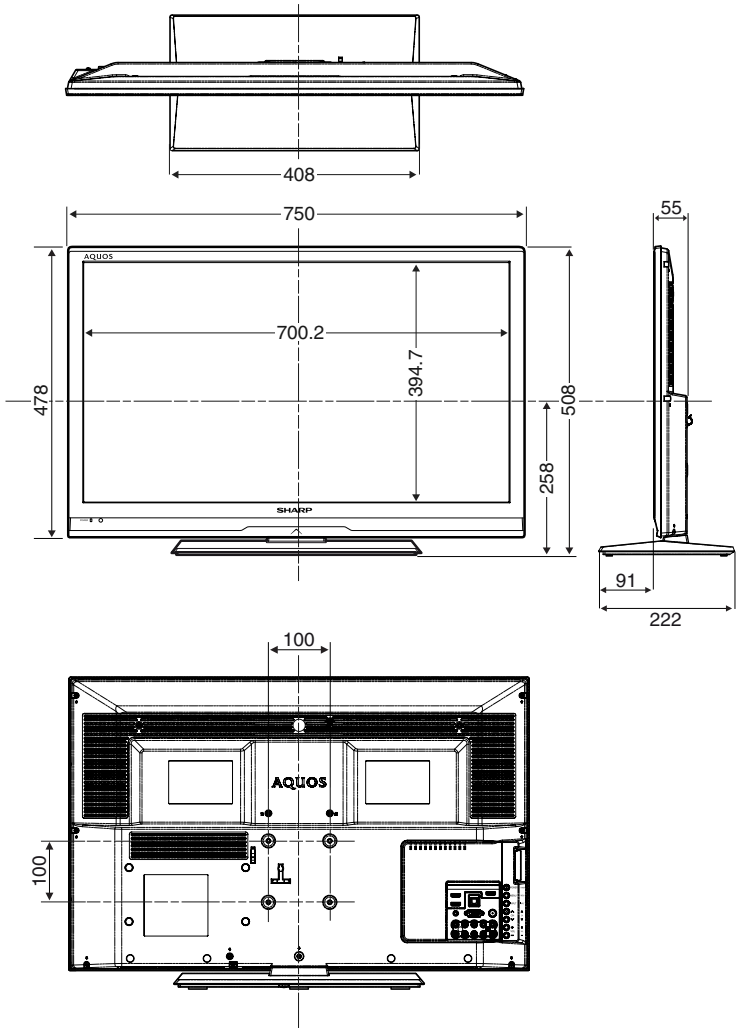



**CAUTION**

- **As this product is heavy, use a table that is wide enough to support the product and capable of withstanding the product's weight. The table should be set where it will not be overturned.**

# Dimensional drawings

Unit: mm



# CLEARING THE PASSWORD

If you forget the password, clear the password using the following procedure.

**1** Press **MENU** to display the MENU screen, and then press ◄/► to select "🔒" (LOCK).

**2** Press ▲/▼ to select "Set Password", and then press **ENTER** and the password input screen display.

**3** Enter "3001" using **0 – 9** to clear your password.

**4** Enter the 4-digit number as a password using **0 – 9**. The new password is now set.

**The Password is** | | | | | .

NOTE

- As a precautionary measure, make a note of your password above, remove it from this manual, and keep it in a familiar place.

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# WARRANTY

## *Consumer Electronic Products*

### Congratulations on Your Purchase!

This Sharp product is warranted against faults in materials and manufacture for a period of twelve (12) months from the date of original purchase.

If service is required during the warranty period, please contact your nearest Sharp Approved Service Centre. These repairs would be carried out at no charge to the owner, subject to the conditions specified herein.

The owner is responsible for any transportation and insurance costs if the product has to be returned for repair.

This warranty does not extend to accessories or defects or injuries caused by or resulting from causes not attributable to faulty parts or the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage, improper voltage, liquid spillage, vermin infestation, software, or any alterations made to the product which are not authorised by Sharp.

Please retain your sales documentation, as this should be produced to validate a warranty claim.

This warranty is in addition to and in no way limits, varies or excludes any express and implied rights and remedies under any relevant legislation in the country of sale.

**IMPORTANT**
**DO NOT RETURN THIS DOCUMENT TO SHARP**

For your reference, please enter the particulars of your purchase below and retain, with your purchase documentation.

Model No. _____

Serial No. _____

Date of Purchase _____

Retailer _____

SHARP

SHARP CORPORATION OF AUSTRALIA PTY. LIMITED
ABN 40 003 039 405
1 Huntingwood Drive
Huntingwood NSW2148

SHARP CORPORATION OF NEW ZEALAND LIMITED
59 Hugo Johnston Drive
Penrose, Auckland

SPform030 (JUNE 2004)

IMPORTANT NOTICE: This warranty applies only to products sold in Australia & New Zealand

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